



ONLINE

ORGANIZATIONAL DEVELOPMENT

# DATA ANALYTICS AND STORYTELLING FOR DEVELOPMENT

 8 WEEKS, 60 HOURS

*Information Note*



International  
Labour  
Organization



International Training Centre

# OVERVIEW

## SNAPSHOT OF THE COURSE

Data is increasingly central to how development programmes are designed, implemented, and evaluated. The rapid growth of digital technologies, big data, and artificial intelligence is expanding the amount of information available to organizations. However, the real challenge is not simply collecting more data, but using it effectively to support evidence-based decision-making and demonstrate meaningful impact.

This course offers a practical learning journey that guides participants from understanding the development data landscape to transforming data into actionable insights. Participants explore how to design evidence-based interventions, develop meaningful indicators, and ensure responsible data governance. The course also introduces practical analytical approaches using tools such as spreadsheets, Python, and data visualization platforms to explore datasets, identify patterns, and support decision-making.

Beyond technical skills, the course emphasizes the importance of communicating insights clearly and responsibly. Participants learn how to design effective dashboards, craft compelling data stories, and engage different stakeholders with evidence that informs policy and programme decisions. The course also explores emerging opportunities and risks associated with big data and artificial intelligence in development.

By the end of the course, participants will be able to move confidently from data to insights, from insights to decisions, and from decisions to development impact, while applying responsible data practices and innovative analytical tools in their professional contexts.

# WHAT

## WHAT TOPICS DOES THIS COURSE COVER?

- **Data Foundations:** Navigating the development data ecosystem, types of data, and open data agendas.
- **Data-Driven Organizations:** Maturity models and building a culture of evidence-based decision-making.
- **Programme Design & KPIs:** Using data in problem analysis, Theory of Change, and developing SMART indicators.
- **Data Collection & Quality:** Quantitative, qualitative, and mixed methods, alongside data pipelines and bias mitigation.
- **Analytics for Decision-Making:** Framing analytical questions, preparing data, and interpreting results responsibly.
- **Visualization & Dashboards:** Principles of visual communication and building action-oriented dashboards for stakeholders.
- **Data Storytelling:** Structure of powerful narratives and communicating impact to donors and policy makers.
- **Emerging Tech:** Applications of Big Data and AI in humanitarian action and monitoring.
- **Ethics & Governance:** Privacy, data ownership, algorithmic bias, and responsible AI frameworks.

## DELIVERY MODE

The course is delivered through distance learning on the ITCILO e-Campus, combining self-guided study with weekly webinars. Each week, participants engage with online materials and complete a practical assignment based on their own project, receiving feedback and guidance from a coach. The methodology includes collaborative exercises in learner groups and access to optional material on Artificial Intelligence to progressively strengthen skills. The estimated effort is eight to ten hours per week, totaling at least 60 hours.

## WHY

### WHY SHOULD I JOIN?

This course frees you from the classroom and gives you the flexibility to complete learning modules at your own pace while working on weekly assignments within your schedule. Furthermore:

- **Hands-on Application:** Combines data analysis with practical storytelling techniques to translate evidence into strategies and narratives.
- **Practical Outputs:** Helps you develop actionable items such as data management plans and project-level analytics strategies.
- **Expert Coaching:** Provides individualized feedback from coaches on assignments related to your own real-world projects.
- **Global Networking:** Allows you to learn alongside professionals from diverse regions and sectors, expanding your professional network.
- **Digital Certification:** Successful completion leads to a Certificate of Achievement protected by blockchain technology.

## WHO

### WHO ATTENDS THIS COURSE?

This course is specifically tailored for professionals across the development sector who are actively engaged in the design, implementation, monitoring, and evaluation of programmes and projects. It is particularly relevant for Programme and Project Managers seeking to strengthen evidence-based planning and decision-making, as well as Monitoring, Evaluation, and Learning (MEL) Specialists looking to apply advanced analytics and visualization in reporting and adaptive management. Additionally, the curriculum supports Project, Data and Knowledge Officers responsible for transforming raw data into actionable insights, Policy Analysts and Technical Specialists involved in shaping interventions through evidence, and Researchers or Academics conducting data-driven studies in social development contexts.

## HOW TO APPLY

The deadline for submission of applications is **5 April 2026**. Candidates can apply directly through this link: <https://oar2.itcilo.org/DST/A9719060/en>

## PRICE

€1,105

## **WITHDRAWAL, CANCELLATION POLICY, AND REFUNDS FOR OPEN COURSES**

If an enrolled participant wishes or must withdraw from a course, they may choose to apply to a different course or be substituted by another candidate. The participant must notify the Centre, in writing, of their decision at least 14 days prior to the start date of the course. Cancellation of participation in regular courses will result in the following penalties:

- 14 days or more prior to the start date of the course: No penalty, 100% refund of amount paid less applicable bank charges
- 8 to 13 days prior to the start date of the course: Penalty of 50% of course price, refund of residual amount paid (if any) less applicable bank charges
- 7 days or less prior to the start date of the course: Penalty of 100% of course price.

## **INFO**

### **FOR FURTHER INFORMATION PLEASE CONTACT**

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